



PRACTICAL CALF WEANER.

Board Fitted to Nose Will Prevent Sucking Mother.

Cut out one side of a piece of board four inches square so as to fit the calf's nose as shown in the accompanying illustration. It can eat



The Calf Weaner.

without difficulty, says the Prairie Farmer, but in trying to reach the mother the board will hurt the nose and it will soon stop trying.

DAIRYING WITH A SEPARATOR.

It Makes the Work Much Easier and Gets More Cream.

I have just had my first experience with a cream separator, writes a woman correspondent of Farm and Home. At first, or until I had some experience in washing and taking care of it as it should be, I thought that it made more work than in the setting of cans of milk in cold water, but since using it for four weeks, I find it is just the thing.

If one wishes to patronize the creamery, it is much better to have the separator cream to sell. One must always cool the new separated cream before putting it with other cream. It should always be churned at a lower temperature than the skimmed cream. I think that 56 degrees is about right for summer weather.

If butter is not of the right color it does no harm to use a good butter color. White butter never looks so nice as yellow butter, even though it tastes just as good. When one wishes to pack butter to keep for some time, it is best to put in a new jar, and after it is packed and tied up, turn the jar bottom side up in a good cool, dry place.

Have a Good Dairy Herd.

No matter how small the dairy herd of the farm is, the farmer should take pride in having it a good herd. In some of our western states the average number of milch cows on farms is only two, three or four. But if these are all good cows, the returns to the farmer in a series of years will amount to a good deal. Many that own poor cows do not stop to figure out what they lose from having them. One thing they lose of which they never take an account and that is the profit on a good cow that could be kept in place of the cow that pays nothing or worse. Thus the cow that just pays her way and nothing else is in the place of a cow that might pay \$30 per year or more. That possible profit is part of the loss, and in ten years it amounts to \$300.

Feed extra well while the cows are shedding. They will need feed to keep up the flow of milk and an additional amount to make the new growth of hair. Feed rich in protein, such as bran, oats, chop, alfalfa, clover, oil meal and the like, are needed.

THE WOOD LOT.

Suggestions for the Management of This Important Tract.

The wood lot is a very large factor in the production of the raw material which supports the fourth greatest industry of the country. Although the area of a single wood lot is small, the cuttings are more frequent than from the large timber tract, and it is probable that the total amount of timber produced by wood lots is greater than that produced by timber tracts.

Not only this; a farm without a good wood lot is incomplete. Usually not less than one-eighth of the acreage of every farm should be devoted exclusively to timber growing. If properly managed the wood lot will supply the farmer with posts, fuel and building material, as suits his convenience best. It may even furnish some timber for the market.

Again, the farmhouse should be protected from winds. For the live stock grower, shielding the barn yard and feed lots will reduce the quantity of grain necessary to fatten stock, since less food will be required to keep up the animal heat in winter. A belt of forest trees will greatly reduce the danger of late frosts to the fruit blossoms of an orchard.

The wood lot should occupy the waste land not suitable for farm crops. Steep hillsides, ravines, swamps, sand dunes, creek banks, rocky slopes and corners cut off by ditches, creeks or railroads, will sustain a good growth of timber and become an important source of revenue. Forest growth on steep slopes and river banks protects them from erosion by heavy rains and freshets.

The wood lot affords one of the best opportunities for the practice of forestry. It is accessible enough to allow of moderate cuttings at frequent intervals; its protection from trespass, grazing and fire does not require an elaborate scheme of defense, and taxation is not so great a burden because the revenue in farm supplies more than meets this item every year.

In circular 138, recently issued by the forest service, and which can be had free of the forester at Washington, the model wood lot and the present condition of the wood lots of the Ohio valley region are discussed. Suggestions are given as to uses of the wood lot and its protection from grazing, fire and wind and from injury during cutting, and for the improvement of typical wood lots of dense first growths, of mature open stand, of dense young stand and sapling thicket.

PASTURING ONE COW.

Good Yoke for Tying Can Be Made Out of Hay-Rack Tooth.

For tying a cow to pasture I use a yoke, as shown in the cut. Take an old horse-rake tooth, heat it to take out the temper, and make it about 36 inches long. Bend it as shown in the cut, with a loop on each end. Now make a link out of a one-fourth or five-sixteenths-inch rod about four inches long, and weld it together. Then, explains Farm and Home, put it on one end of the yoke and close the eye tightly. Have the yoke close enough at top to spring the link in place. A ring should be slipped on the yoke to fasten the chain through.



Swamp Lands That Need Potash. On every acre of reclaimed swamp land several dollars' worth of potash should be used every year, and this would each year bring back returns greater than the cost of the annual dressing. There are millions of acres of such land in the middle west.

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